

BEST AVAILABLE COPY

Permeability of Glass Beads Compared
with Permeability of Soil Fractions

Mean Bead Diameter (mm)	Pore Space (microns)	Permeability (Darcy)	Gas Permeability (cm/sec)	Equivalent Soil Classification
2.000	860	1000	1.000	Very coarse sand
1.200	516	250	0.250	Coarse sand
0.655	281	147	0.147	Medium coarse sand
0.327	140	85	0.085	Medium sand
0.167	72	22	0.022	Fine-medium sand
0.083	36	9	0.009	Fine sand
0.041	18	5	0.005	Very fine sand
0.020	9	2	0.002	Very fine silty sand

Modified from Anderson, et.al., 1987²

FIG. 9

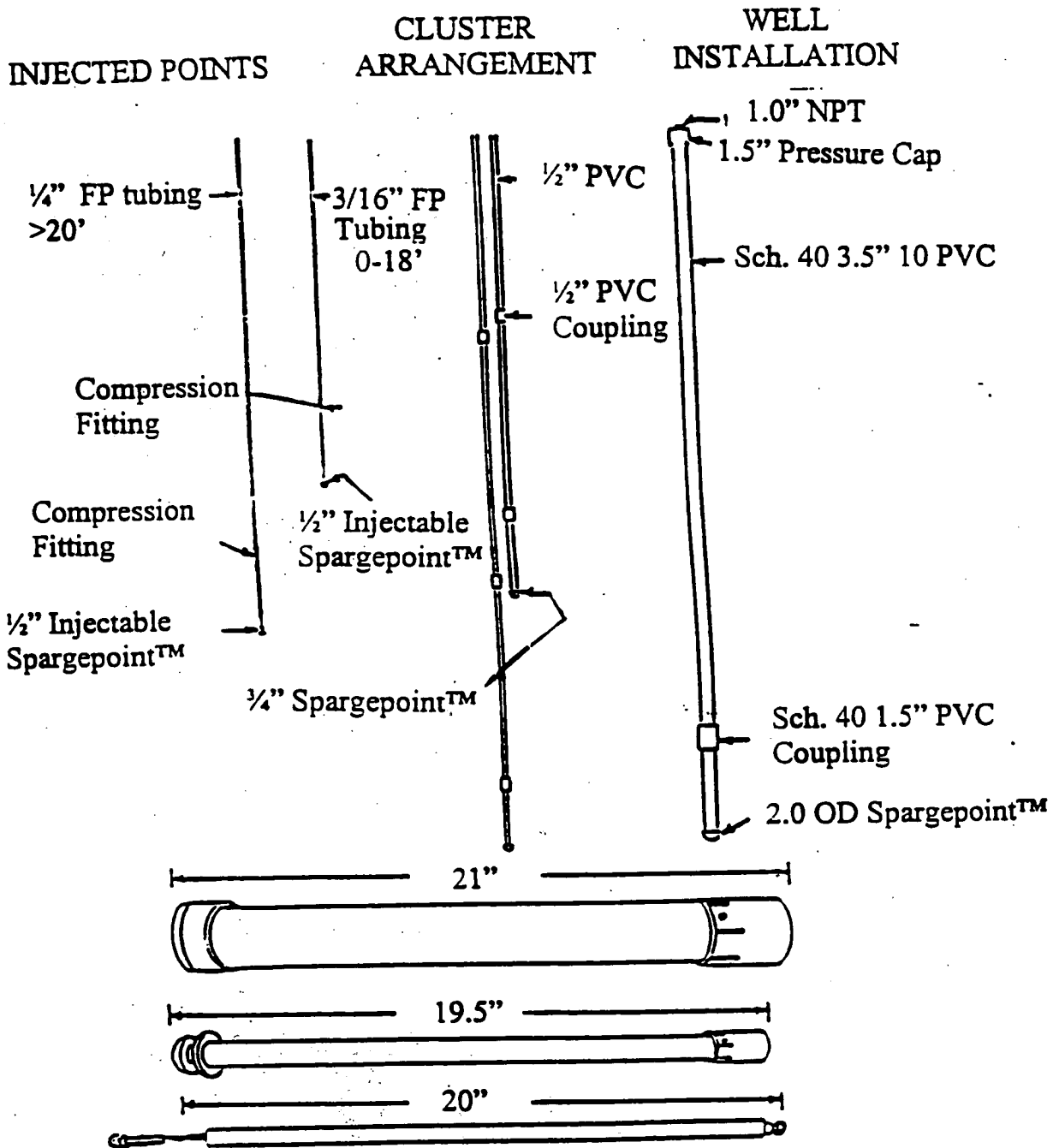


FIG. 10

SPARGEPOINT™ TEST ASSEMBLY
1/2" OR 3/4" POINT WITH 1 INCH CASING

Zero Air or
Nitrogen Tank

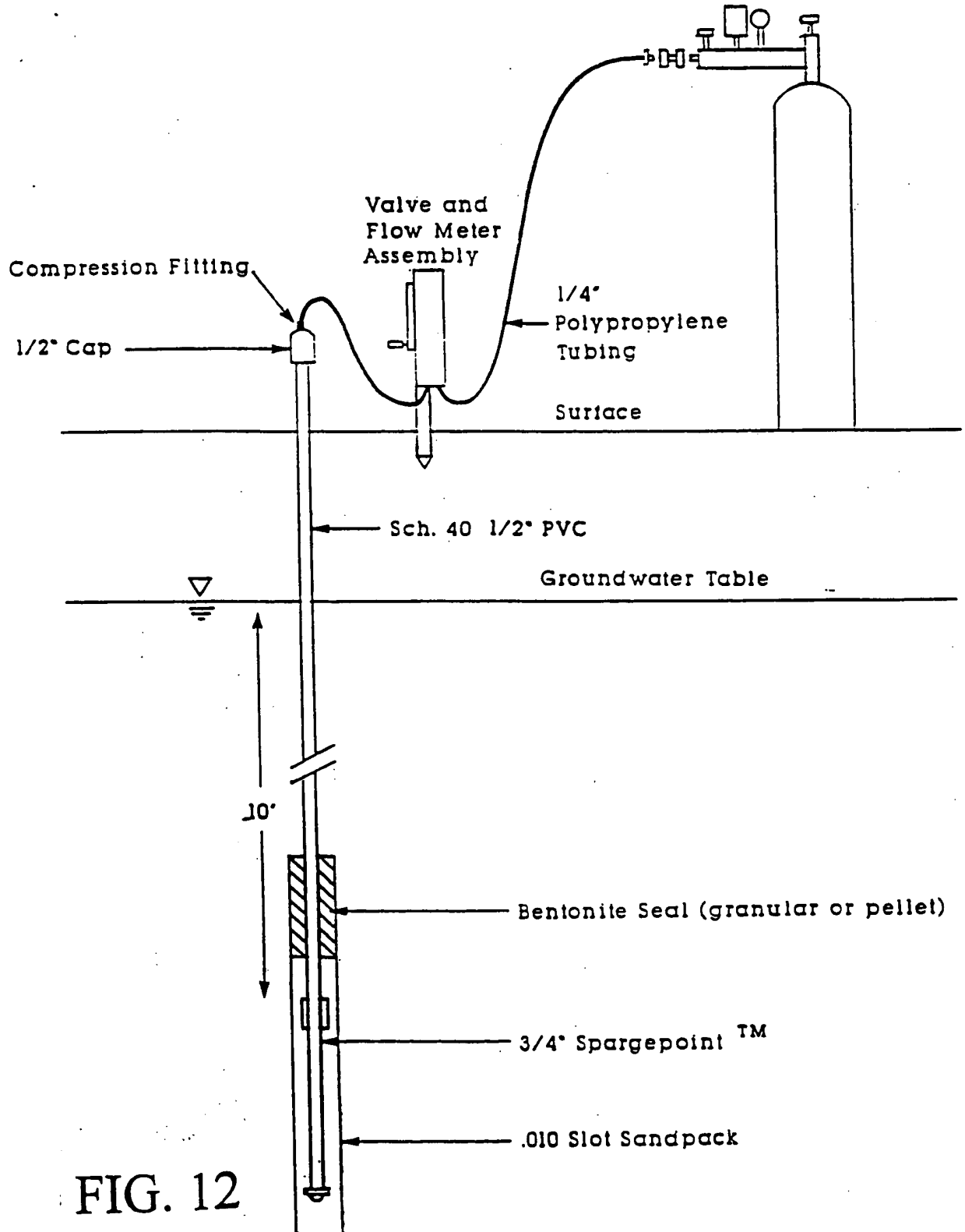


FIG. 12



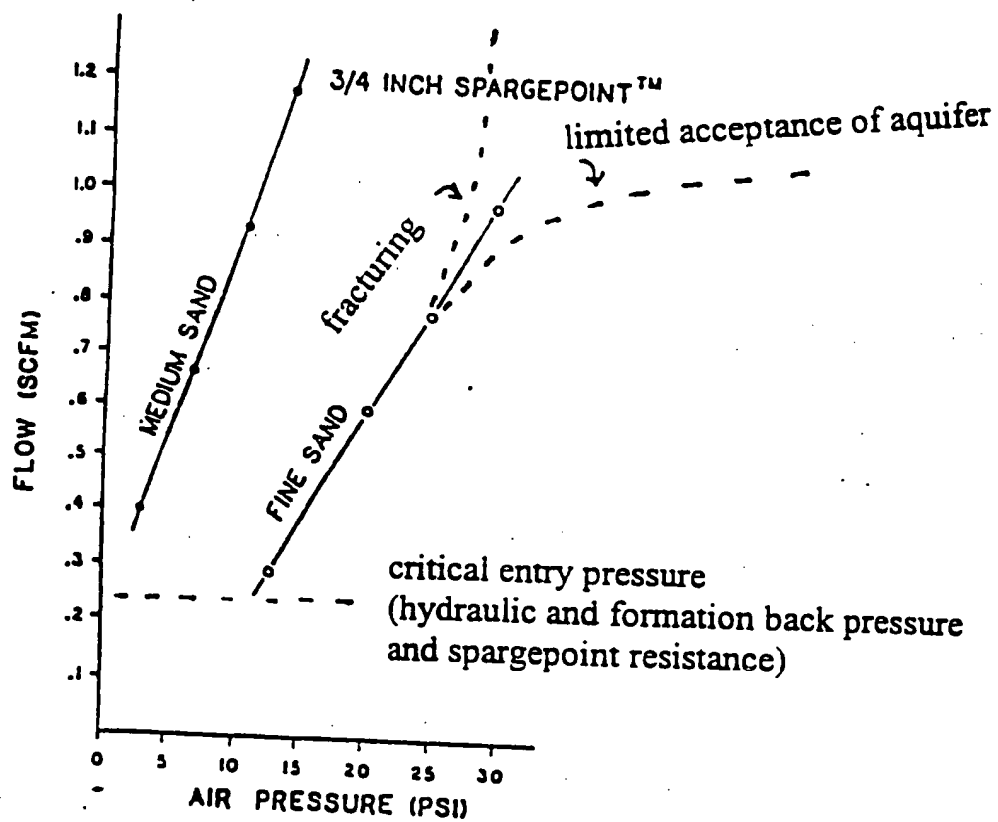


FIG. 13



SPARGING SYSTEM PLAN

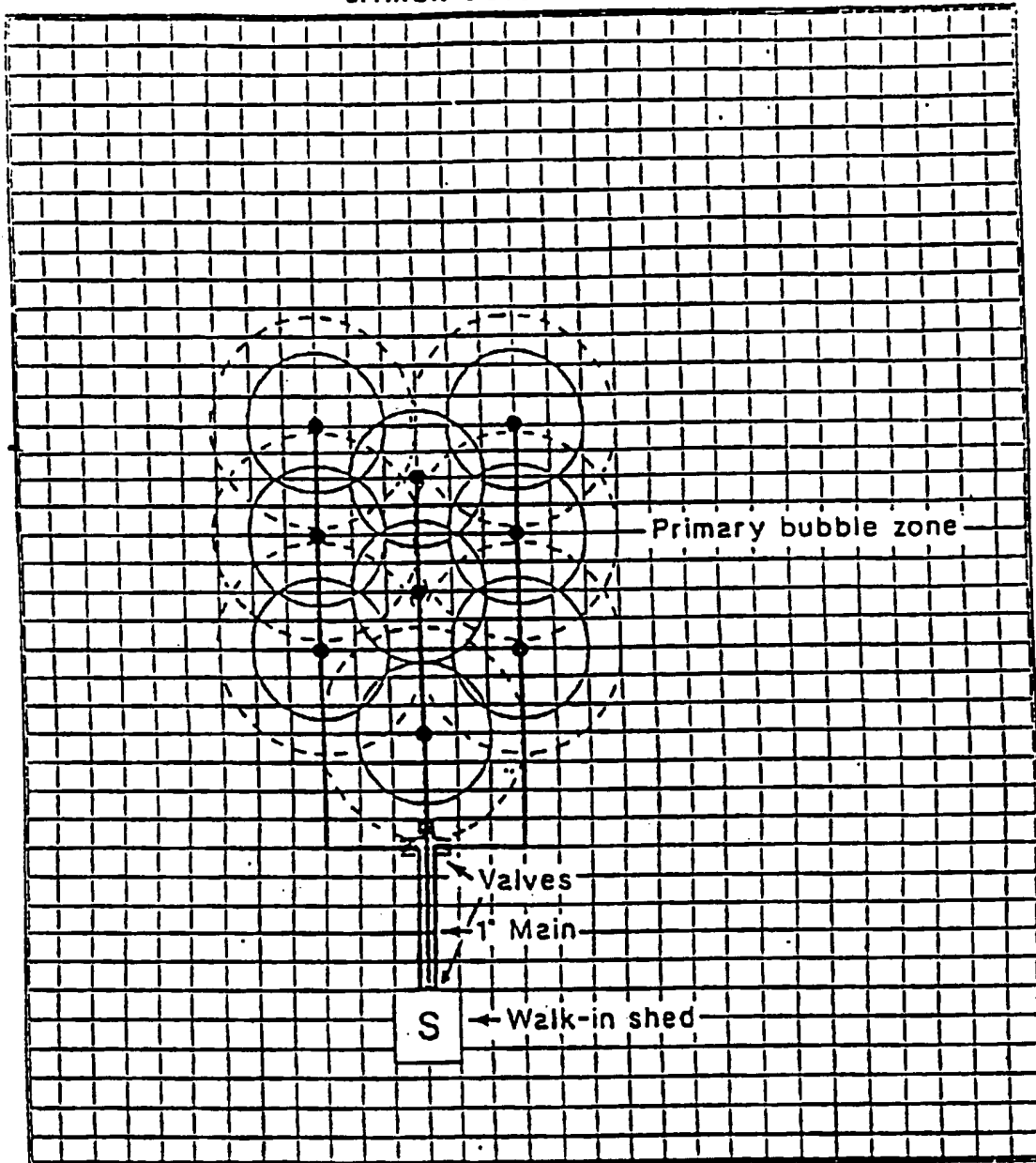
Size of Sparge Area 100 x 150 ftSize of SVE Area 150. x 200 ftUse of Zone Control? 3 zonesSize of SVE System 150 scfmNumber of Spargepoints™ 9Depth to Water 10 ftSoil Conditions MEDIUM SANDType of Contaminant BTEX

FIG. 17

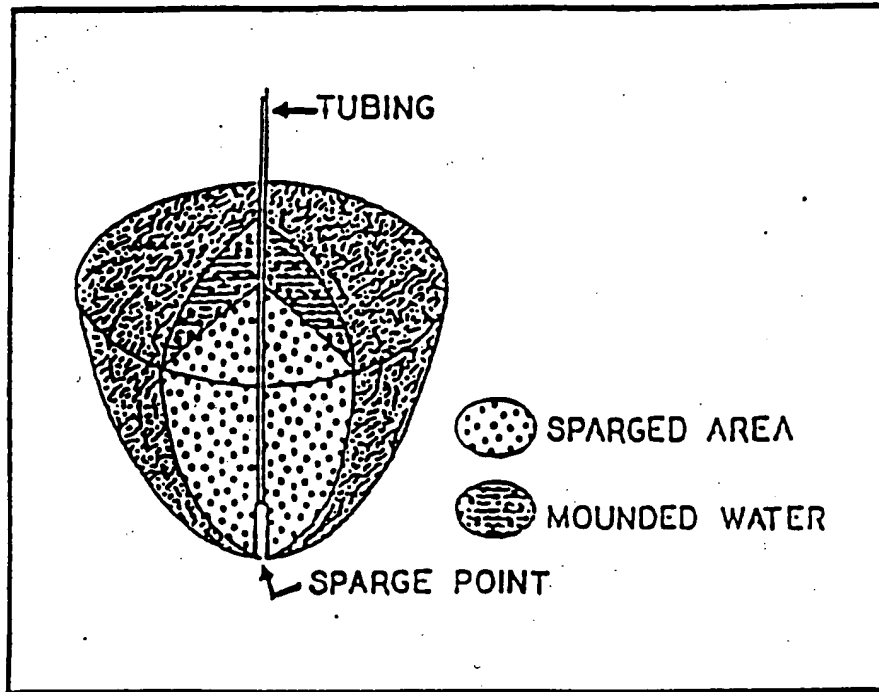
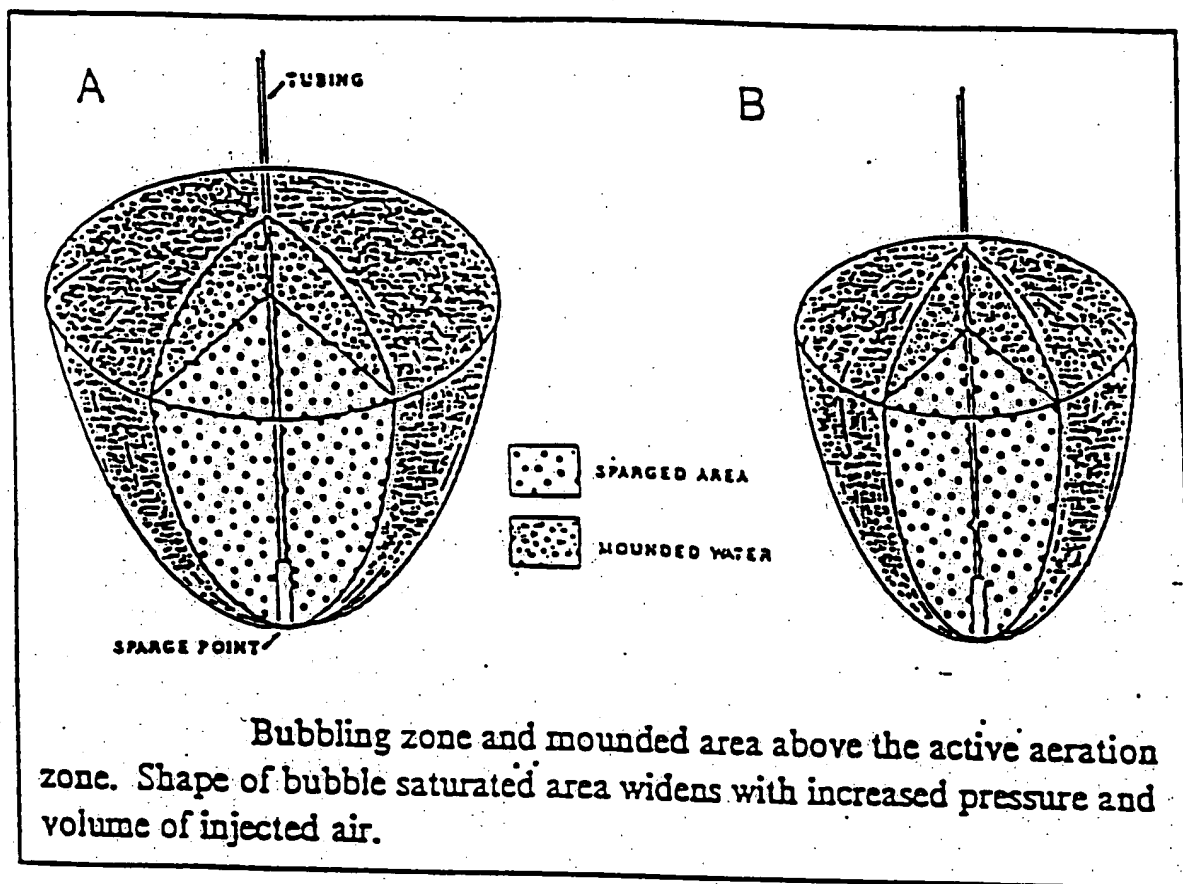
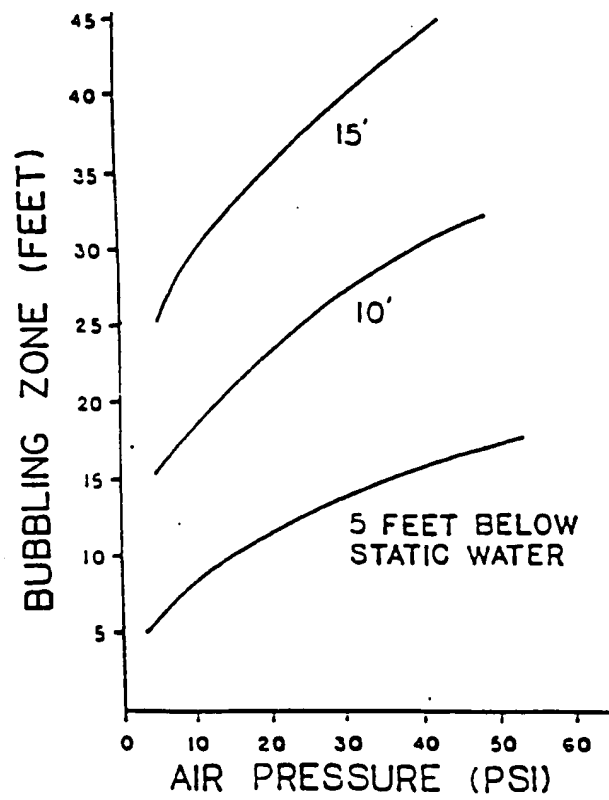


FIG. 18

**FIG. 19**

**FIG. 20**



Sequential rise in water table from bubbling. Concentric zones permit containing Any floating contaminant.

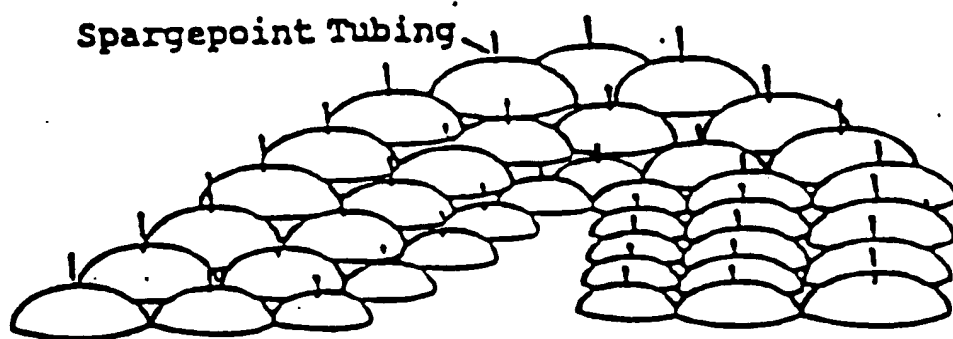


FIG. 21



Sequential rise in water table from bubbling. Concentric zones permit containing any floating contaminant.

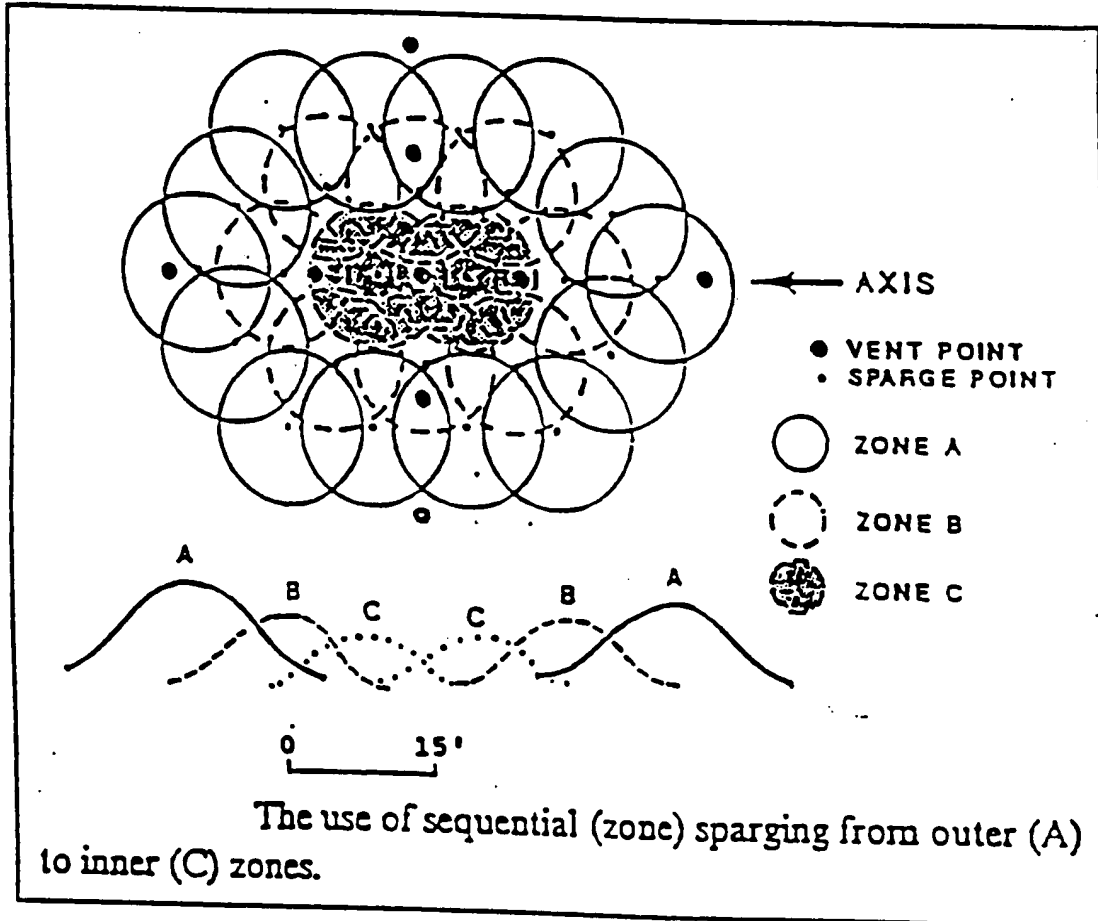


FIG. 22

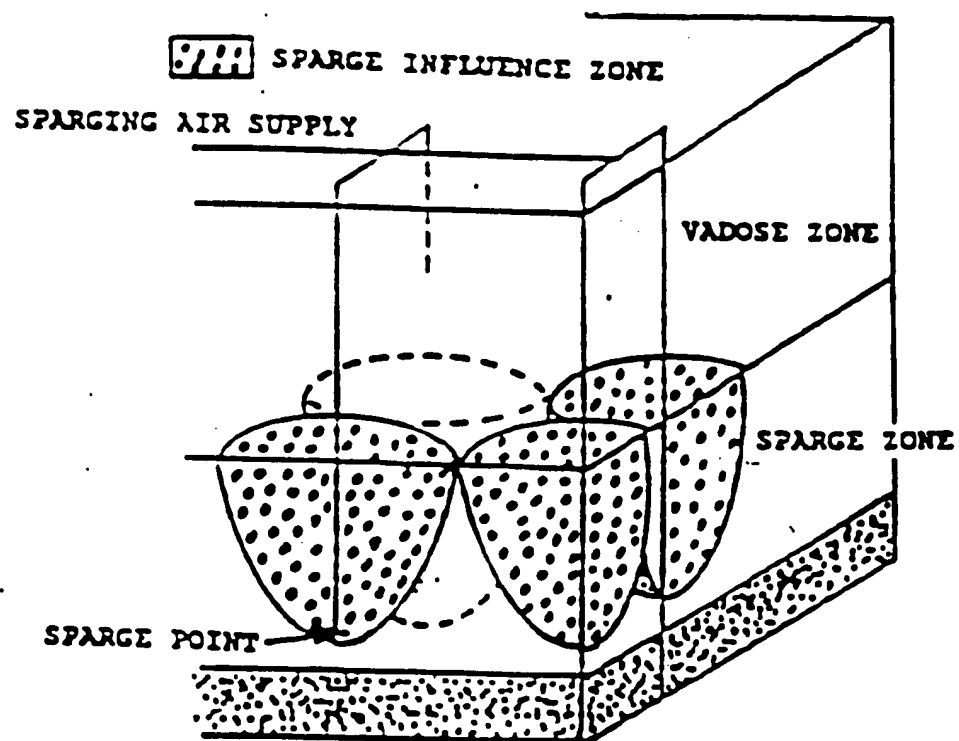
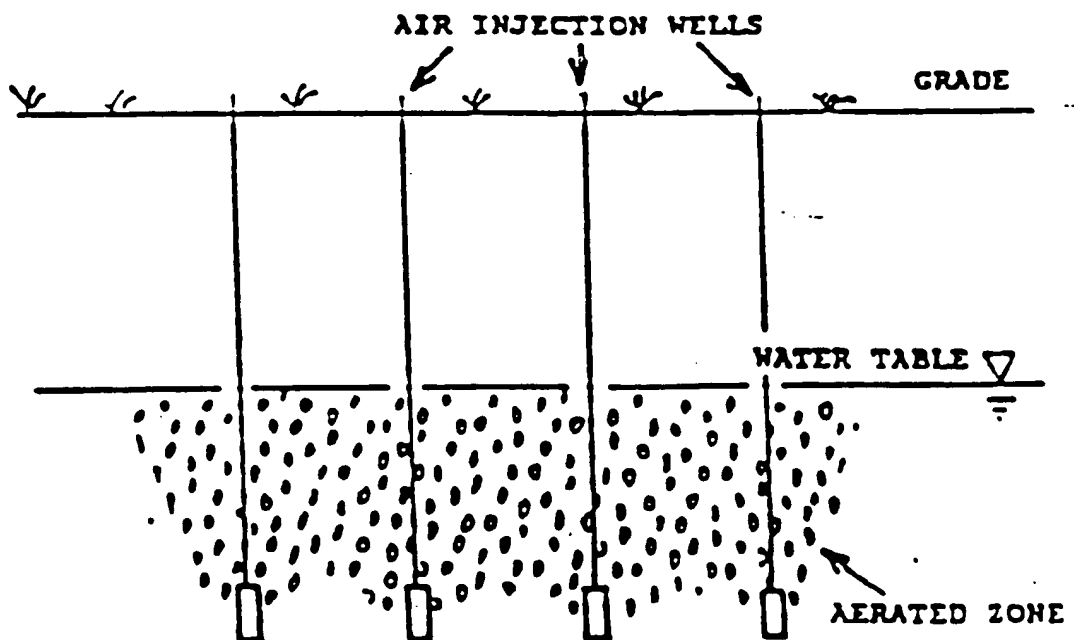


FIG. 23A

**FIG. 23B**

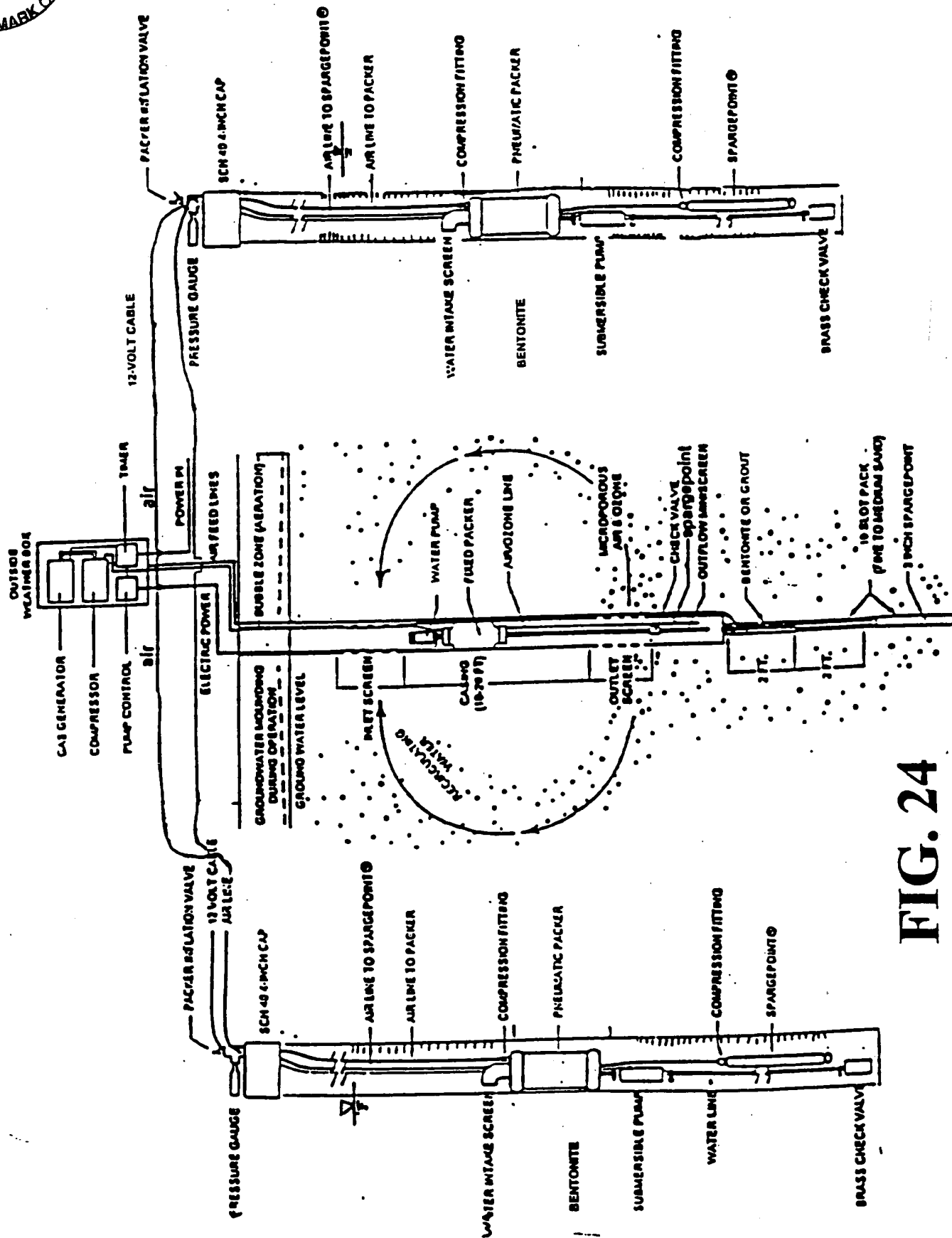


FIG. 24

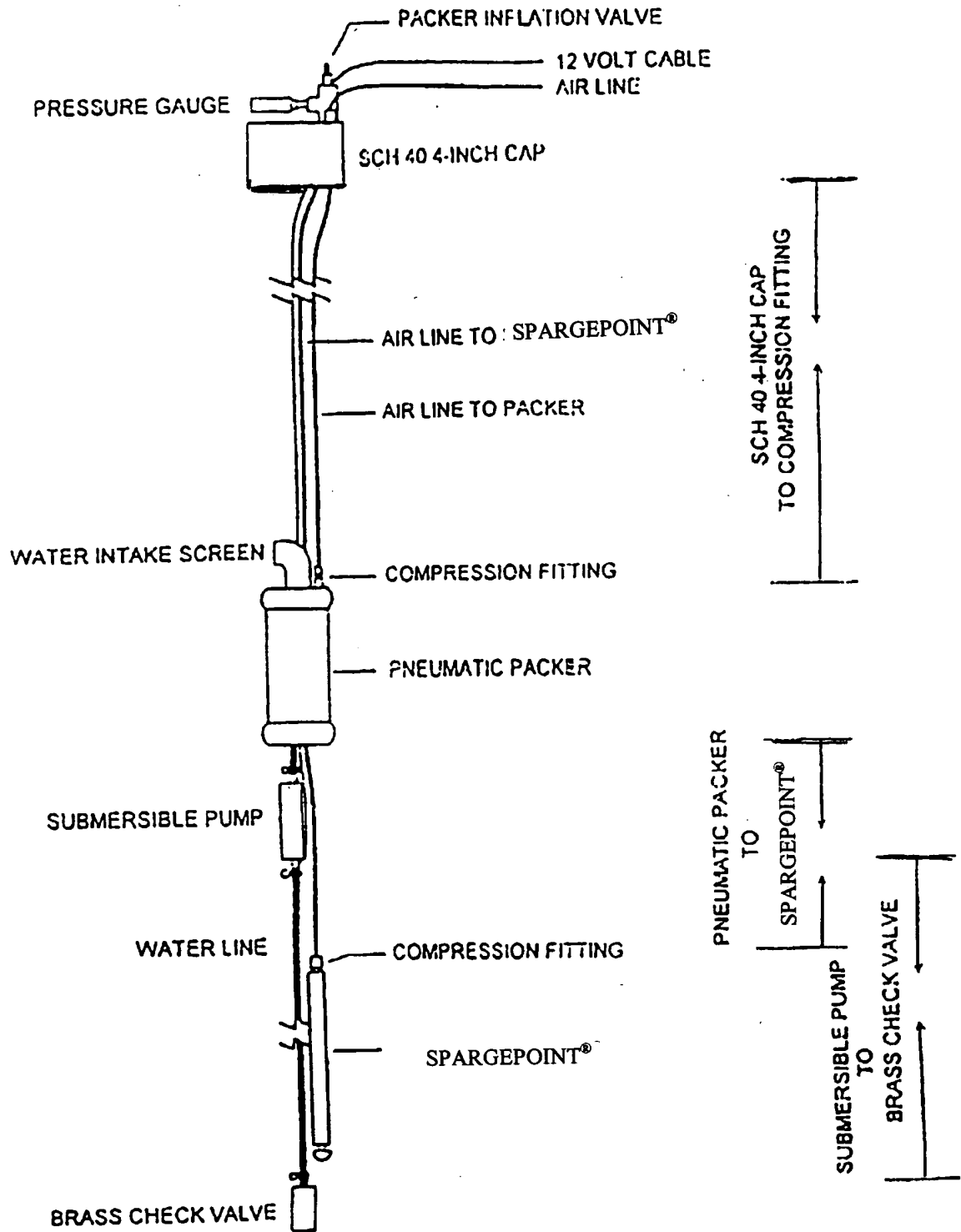


FIG. 25

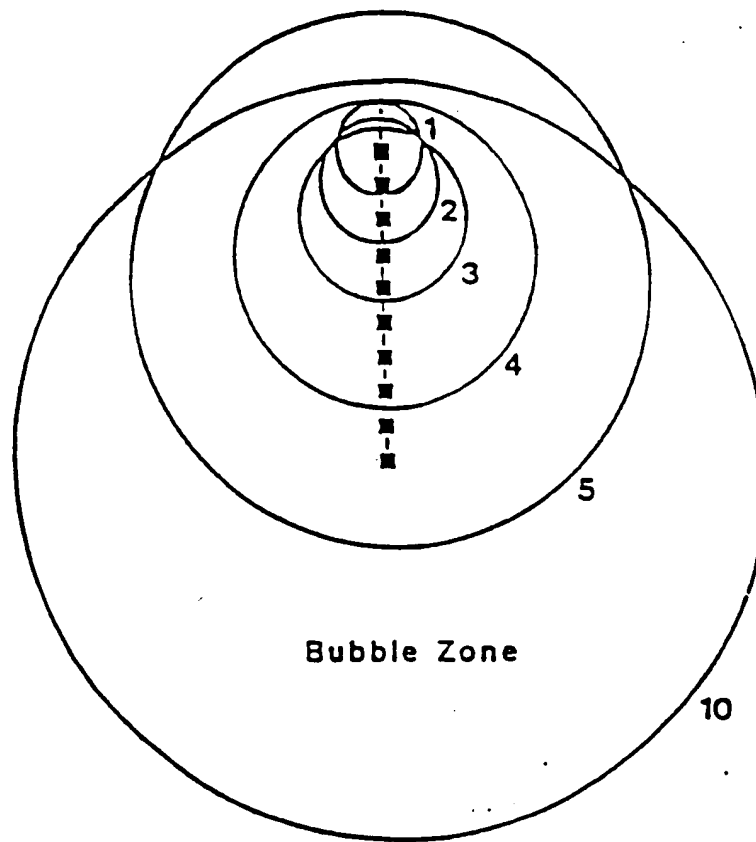
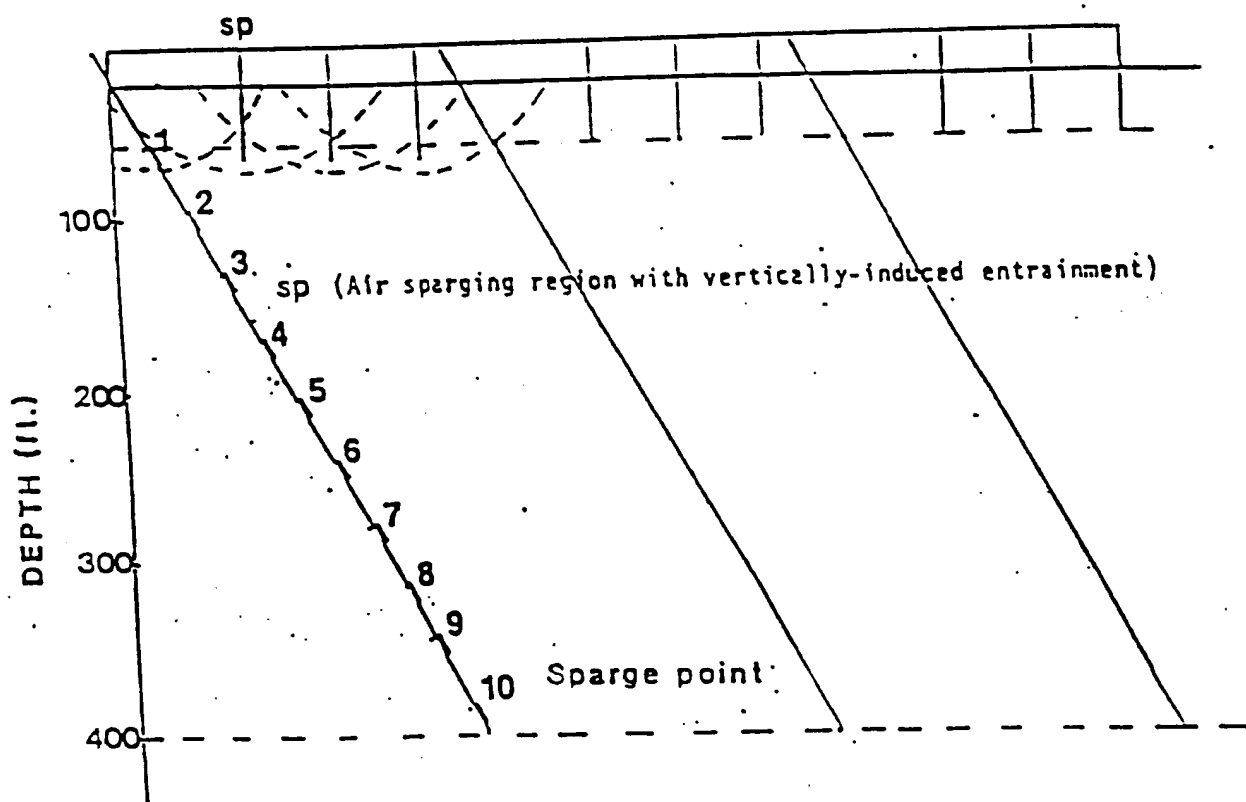
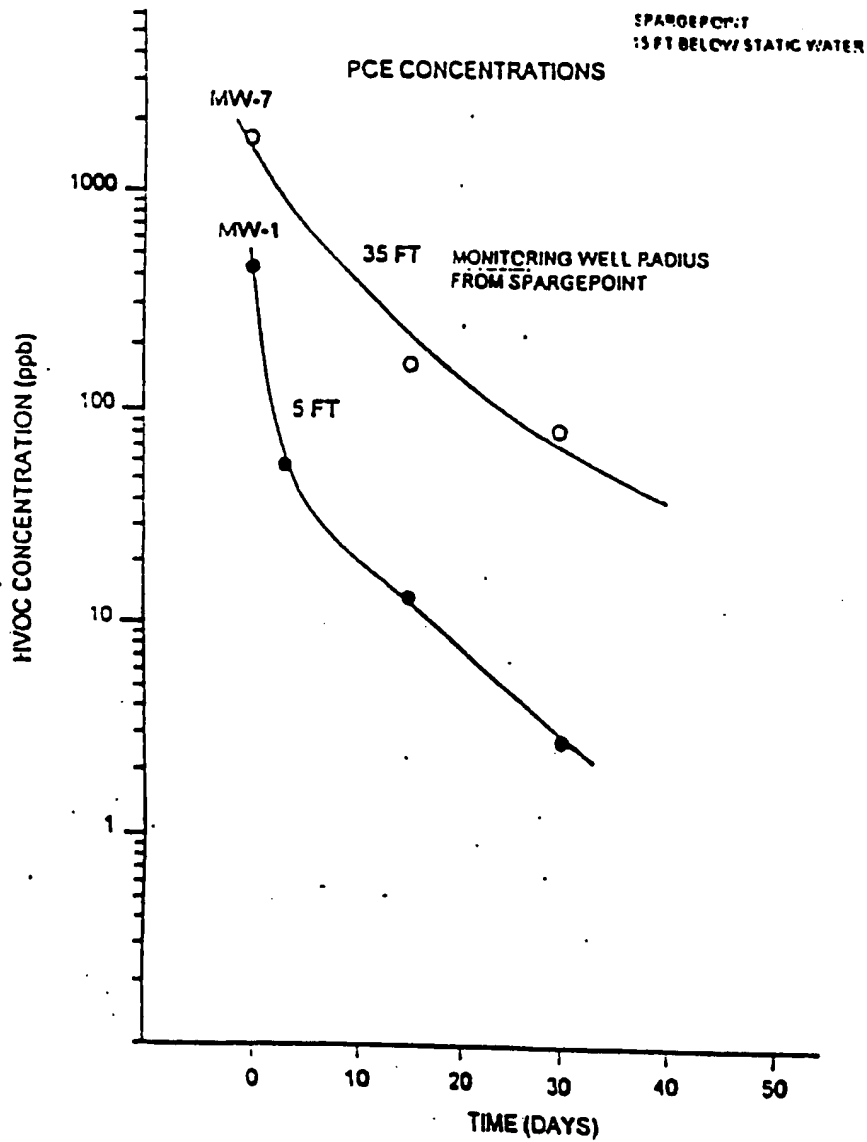


FIG. 26

**FIG. 27**

**FIG. 28**

OZONE AQUEOUS REACTIONS

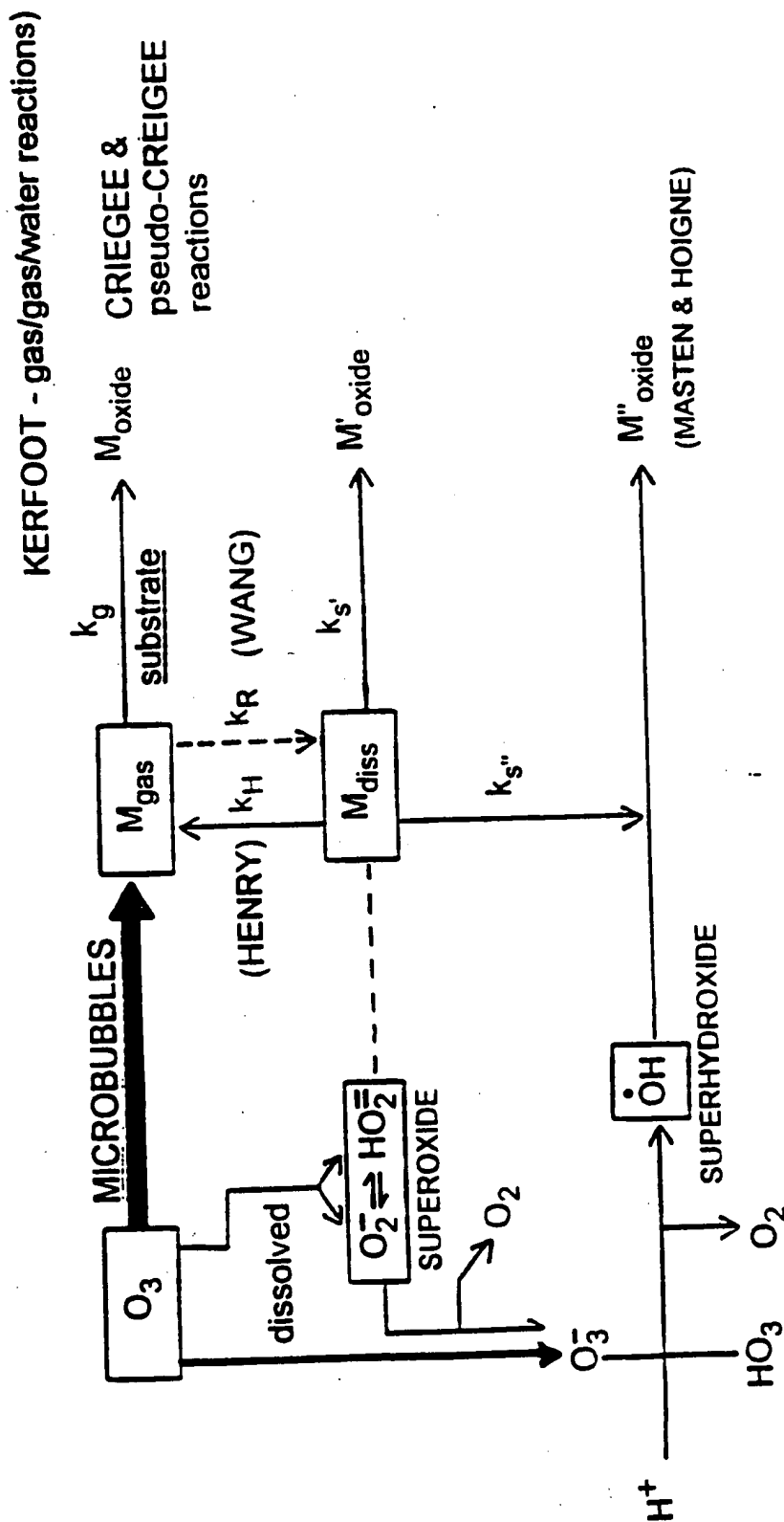


FIG. 33



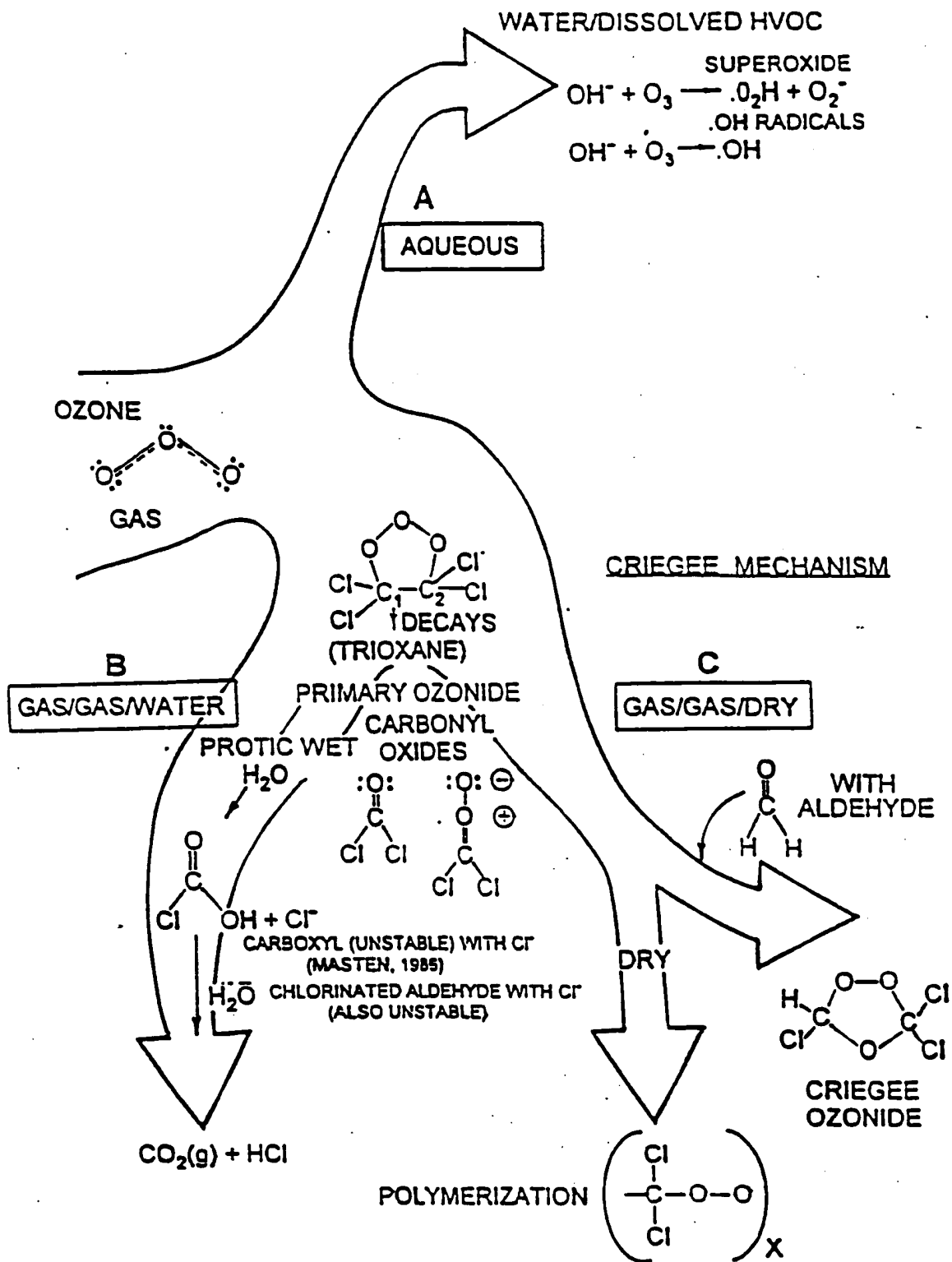


FIG. 34

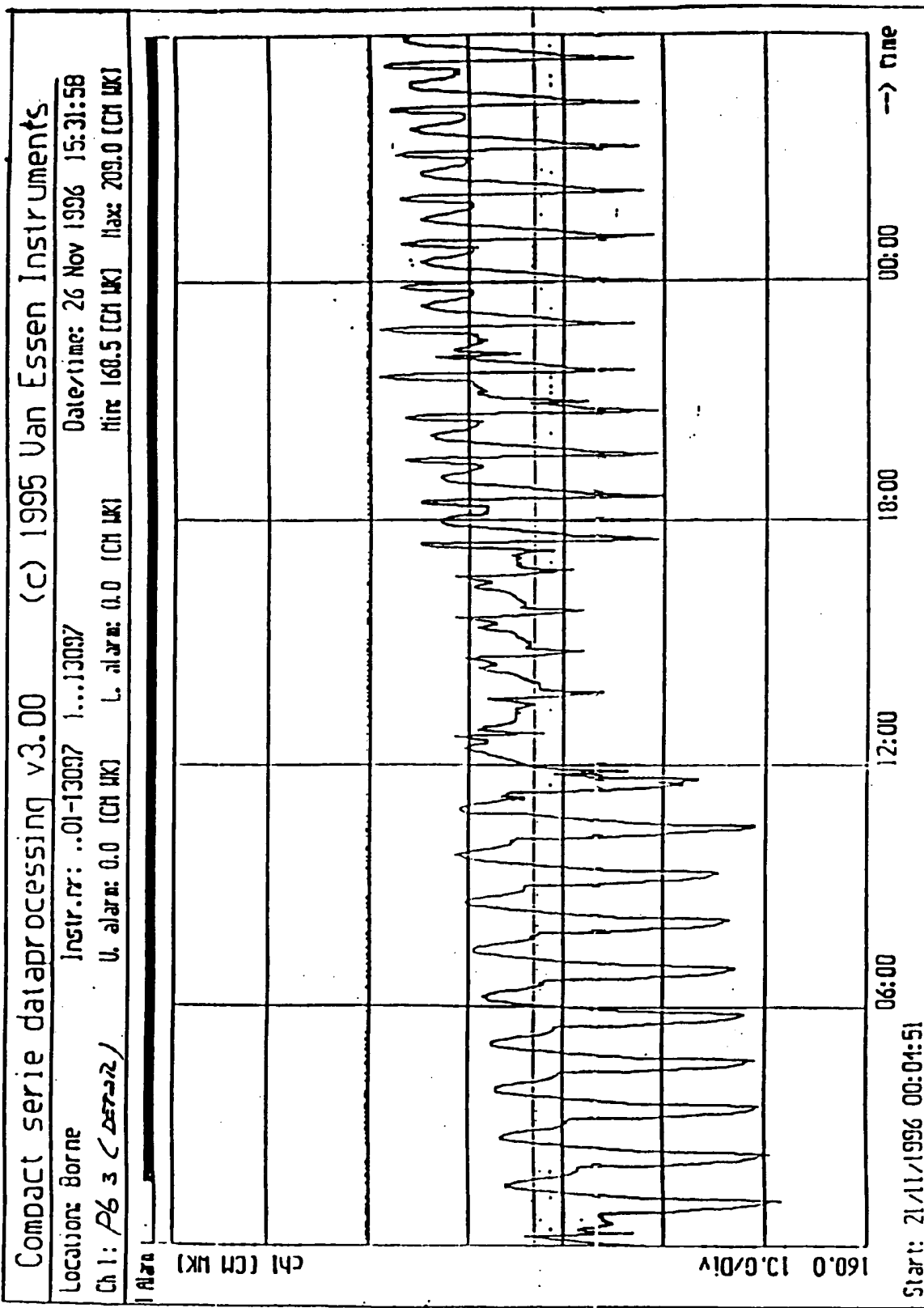
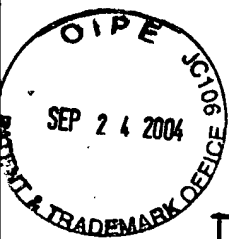


FIG. 36

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☒ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.